Prior to winter 2001, sampling was conducted during a 4-6 week period in each season (spring, summer, autumn, and winter), resulting in some temporal gaps (i.e., sampling did not occur in some months). We corrected this by redesigning the sampling scheme so all months were sampled equally. Beginning in December 2001, electrofishing was conducted four days per month (each site sampled twice), gill netting occurred 2 days per month (each site sampled once), and beach seining was performed once per week (each site sampled once). Catches were highest in summer for both bass and carp (Table 1). Beach seining was most effective for bass, electrofishing was most effective for Carp. The former method tended to catch smaller, younger fish that were in the shallower areas, and the latter method tended to get a wider range of age and sizes. Table 2 shows catch and method by site. Since effort was relatively constant for each sampling method among the sites over the seasons, one can directly compare the numbers caught for an index of fishing success. Thus, for example, electrofishing for bass was roughly 3X more productive at the RM 1.0 East site than at the 0.6 East site, but success was roughly 5X greater at the RM 5.1 East than at the RM 1.0 East site.

Table 1. Number of common carp, smallmouth bass and sampling efforts by gear type and month performed by ODFW, in the lower Willamette River 2000 – 2003.

	Beach seining			Electrofishing			Gill netting		
	Carp	Smallmouth bass	Effort[a]	Carp	Smallmouth bass	Effort[b]	Carp	Smallmouth bass	Effort[c]
January	0	0	49	2	15	70	0	0	68
February	0	0	60	0	33	120	3	0	101
March	0	0	38	8	16	80	1	0	58
April	0	0	30	6	37	66	0	1	36
May	0	9	49	8	21	68	27	2	95
June	1	17	80	127	138	130	151	1	141
July	1	70	51	83	46	44	6	0	22
August	78	171	68	97	97	110	76	1	100
September	0	121	35	74	88	117	44	2	101
October	0	29	23	18	18	52	3	0	52
November	0	0	35	11	44	128	4	0	95
December	0	1	52	4	12	74	0	0	51

[a]Beach seining effort equals one net set and immediately retrieved.
[b]Electrofishing effort equals one standardized 750 second sampling event.
[c]Gill netting effort equals one 40 minute net set.

Table 2. Number of common carp and smallmouth bass observed in the lower Willamette River 2000 – 2003, includes sampling site

description and gear type used.

Location	Beach seining		Electrofishing		Gill netting	
	Carp	Smallmouth bass	Carp	Smallmouth bass	Carp	Smallmouth bass
RM 0.6 EAST - KELLY POINT PARK	0	30	4	2	19	0
RM 1.0 EAST - 3 T DOCKS UPSTREAM COL. SLOUGH	ns	ns	8	6	10	0
RM 1.2 WEST - SAUVIE ISLAND BETWEEN MARKER #'s 6 AND 10	ns	ns	24	2	12	2
RM 3.1 WEST - HEAD OF MULTNOMAH CHANNEL	ns	ns	5	2	3	1
RM 4.0 WEST - ACROSS FROM T-4 SHIP HULL	78	17	ns	ns	ns	ns
RM 4.8 EAST - VERTICAL WALL DOWNSTREAM OF T-4 SHIP HULL	ns	ns	7	2	6	0
RM 5.1 EAST - T-4 SHIP HULL	ns	ns	39	30	14	0
RM 6.4 WEST - DOANE POINT DOWNSTREAM R x R BRIDGE	ns	ns	32	27	8	1
RM 6.7 EAST - SHIP SKELETON DOWNSTREAM OF R x R BRIDGE	ns	ns	18	5	ns	ns
RM 6.9 WEST - UPSTREAM OF DOANE POINT AND R x R BRIDGE	0	47	ns	ns	ns	ns
RM 7.6 WEST - COVE AREA DOWNSTREAM OF DOCKS	ns	ns	13	5	ns	ns
RM 7.9 WEST - T DOCK UPSTREAM OF STRAIGHT DOCKS	ns	ns	56	49	6	0
RM 9.7 EAST - SANDY BEACH ACROSS FROM TERMINAL 2	0	28	ns	ns	ns	ns
RM 10.0 WEST-UNDERNEATH TERMINAL 2	ns	ns	10	26	20	0
10.7 WEST - ALCOVE NEXT TO MULT. COUNTY SHERIFF WATER PATROL	ns	ns	5	1	ns	ns
RM 11.2 EAST - T DOCK BETWEEN FREMONT AND BROADWAY BRIDGES	ns	ns	22	22	10	0
RM 11.6 EAST - CARGILL TO DOCK AT STEELE BRIDGE	ns	ns	6	34	2	0
RM 11.8 WEST - BETWEEN STEELE AND BROADWAY BRIDGES	ns	ns	9	51	12	0

RM 12.1 WEST - SEAWALL	ns	ns	2	3	12	0

Table 2 continued.

	Beach seining		Electrofishing		Gill netting	
Location	Carp	Smallmouth bass	Carp	Smallmouth bass	Carp	Smallmouth bass
RM 13.3 WEST - SANDY BEACH AT OLD NEWPORT BAY REST.	ns	ns	12	11	5	0
RM 13.6 EAST - OMSI TO "CRYSTAL DOLPHIN" DOCK	ns	ns	19	46	29	1
RM 14.8 EAST - EAST SIDE OF ROSS ISLAND	ns	ns	48	5	115	1
RM 14.8 WEST - WEST OF ROSS ISLAND, SMALL ALCOVE	ns	ns	16	9	ns	ns
RM 16.7 WEST - POWERS MARINE PARK, UPSTREAM OF SELLWOOD BRIDGE	1	142	22	3	25	0
RM 20.0 EAST - ROCK OUTCROP AREA UPSTREAM OF R x R BRIDGE	ns	ns	11	67	2	1
RM 20.3 WEST – FLOATING DOCK		0	0	2	3	
RM 21.9 WEST - HOG ISLAND, MAINCHANNEL SIDE	ns	ns	7	87	1	0
RM 23.2 WEST - CEDAROAK ALCOVE	ns	ns	20	33	ns	ns
RM 23.9 EAST - ALCOVE AT MELDRUM BAR PARK	ns	ns	21	29	ns	ns
RM 24.3 WEST - DOWNSTREAM OF GOAT ISLAND	1	154	ns	ns	ns	ns